

(11)Publication number : 2001-338956
(43)Date of publication of application : 07.12.2001

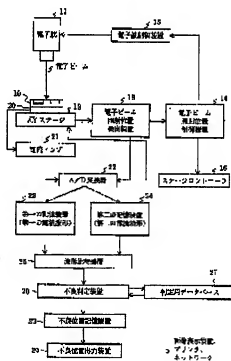
H01L 21/66
G01N 23/225
G01N 27/00
G01R 1/06
G01R 31/02
G01R 31/302
H01J 37/28
// G01B 15/00

(21)Application number : 2000-160769 (71)Applicant : NEC CORP
(22)Date of filing : 30.05.2000 (72)Inventor : YAMADA KEIZO

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain correct inspection results without using any CAD data, even in the case that holes like a logic circuit are arranged at random, when the conforming/nonconforming inspection of a device is performed by using current generated due to electronic beam irradiation in a specimen to be inspected.

SOLUTION: An electron beam is applied onto the specimen to be inspected while it is scanned, a current value generated in the specimen corresponds to the irradiation position of the electron beam at the time when the electron beam is applied, stored as a current waveform, and an incorrect position is detected by comparing the current waveforms of the two inspection specimens.



[Date of request for examination]

13.04.2001

[Date of sending the examiner's decision of rejection] 22.06.2004

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection] 2004-15398

[Date of requesting appeal against examiner's decision of rejection] 22.07.2004

[Date of extinction of right]